REVATHI ELECTRONICS & CONTROLS

ITEM NO.: 5

: EXTERNAL CAGE TYPE SINGLE STEM / MULTIPOINT LEVEL SWITCH:
REFER OUR GENERAL ARRANGEMENT DRG.NO.RECFLS-1005-WP

PRINCIPLE OF OPERATION:

This is Float operated or displacer operated top mounted level switch having a single float for low or high operation enclosed inside a cage having side-side connections to process tank. Float are fabricated out of stainless steel. When the level rises above the actuation point, the float which buoys up along with level rise actuates the magnetic switch which is kept sealed inside the stem. The switches are completely isolated and they do not come in contact with liquid. The closure of the switch can operate a contactor or relay to indicate the level rise or decrease.

DETAILS OF SEALED MAGNETIC SWITCH:

The basic switch used in all cases will be of imported origin and sealed type. The switch used is hermetically sealed inert gas filled magnetic switch with gold plated contacts of the following specifications.

1. Contact Rating / Form : 230 VAC 5 A (Surge) 60 W \ VA / 1 No. SPDT can

directly operate 110/230 VAC Siemens or L&T size

1 contactor

Max. Initial contact resistance
 Max. Insulation contact resistance
 Max. Operate time
 Max. Release time
 150 milli ohms
 10¹¹ Ohms
 0.5 milli second
 0.1 milli second

6. Life expectancy : 100 million operations

MATERIAL SPECIFICATIONS:

1. Tag Number : To mention
2. Service : To mention
3. Op Press Kg/Cm2g / Temp * C / Sp. Gr. : To mention
4. C/C Distance of the chamber : To mention
5. Body / Cage material : CS / SS / PP

6. All wetted parts malt. : SS/PP/PVC/HDPE/PVDF/PTFE etc.
7. Pross. Conn. Flange Size & Rating : 3/4" ANSI 150# RF B 16.5 or To mention

8. Process Conn. Location upper : Side – Side

9. Process Conn. Location lower : Side – Side – Side – Bottom

10. Rotatable head : Yes

11. Finned extension
12. Vent & Drain conn. Size
13. If required will be provided
14. NPT (F) with plug.

13. No. of Displacer / Float : To mention

14. Displacer or Float material : SS/PP/PVC/HDPE/PVDF/PTFE etc.

DETAILS OF SWITCH:

15. Output : Contact

16. Differential : Fixed 3-4 mm for float & approx. 60 mm for Displacer

17. Switch type18. Qtn. / Form19. Sealed Magnetic reed type.1 NO. SPDT / DPDT

19. Contact Rating : 230 VAC 5A (surge) 60 W/VA

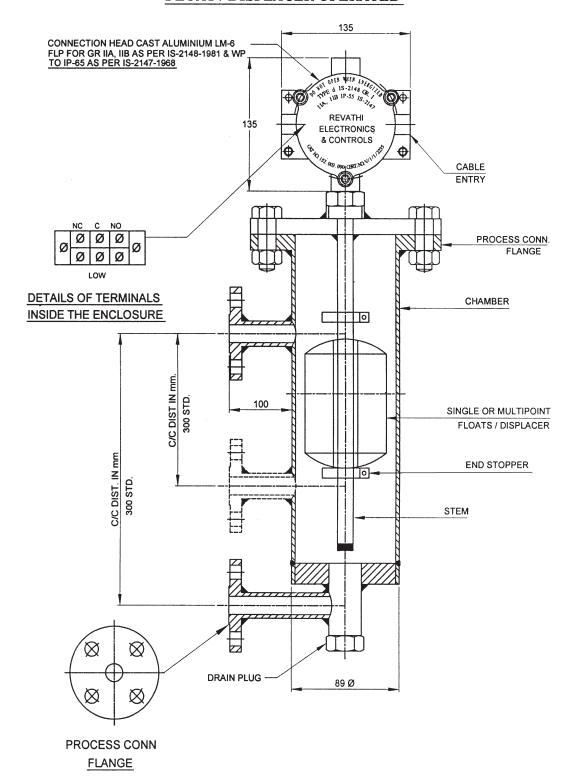
20. On level Increase contact : To mention21. On level Decrease Contact : To mention

22. Connection Head : Cast Aluminium Weatherproof or Flameproof

23. Cable Entry : 3/4" ET (F) STD 24. Qty. : To mention

REVATHI ELECTRONICS & CONTROLS

EXTERNAL CAGE TYPE LEVEL SWITCH FLOAT / DISPLACER OPERATED



FLOAT TYPE

RECFLS-1005-WP RECFLS-1005-FLP **DISPLACER TYPE**

RECDLS-1005-WP RECDLS-1005-FLP